DRC16-24SA ✔ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC16-24SA

Housing for Female Terminals, Wire-to-Wire, 24 Position, .216 in [5.49 mm] Centerline, Sealable, Black, Wire & Cable, Power & Signal, DEUTSCH DRC

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Connector System: **Wire-to-Wire**

Number of Positions: **24**

Connector & Housing Type: **Housing for Female Terminals**

Centerline (Pitch): **5.49 mm [.216 in]**

Sealable: **Yes**

All DEUTSCH DRC Housings (112)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Contact Retainer

Configuration Features

Blank Cavity Position	0
Number of Positions	24
Number of Rows	4

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Connector & Keying Code	A

Contact Features

Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PPS GF
Centerline (Pitch)	5.49 mm[.216 in]

Dimensions

Connector Height	29.16 mm[1.148 in]
Product Width	53.34 mm[2.1 in]
Product Length	40.64 mm[1.6 in]
Row-to-Row Spacing	5.49 mm[.216 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Degree of Protection	IP68, IP6K9K
Agency/Standard	SAE J2030
UL Flammability Rating	20mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	125

Packaging Method	Box

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) **Article Safe Usage Statements:** Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts



TE Part # CAT-D799-CH8172
DEUTSCH DRC Housings



TE Part # CAT-J67-DSCC16
DEUTSCH Size 16 Crimp Contacts



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



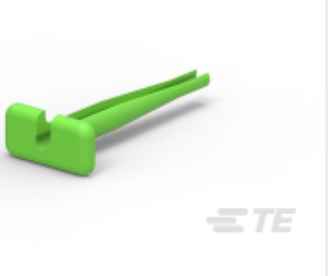
TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # CAT-D799-H342
DEUTSCH DRC Headers



TE Part # DRC24-BT
BOOT, 24P, 16SZ, PLG/REC, ST, BLK



TE Part # 0411-291-1405
EXT TOOL, SIZE 16, 14-16 AWG, N, GRN



TE Part # 0411-204-1605
EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU

TE Part # 0515-005-2405
PROTECT CVR, 24P, PLG, YEL, DRC16

TE Part # DRC24-BT-DH
BOOT, 24P, 16SZ, PLG/REC,ST,DRN HOLE,BLK

TE Part # DRC24-BT-YW
BOOT, 24P, 16SZ, PLG/REC, ST, YEL

Also in the Series | DEUTSCH DRC



Automotive Connector Caps & Covers (3)



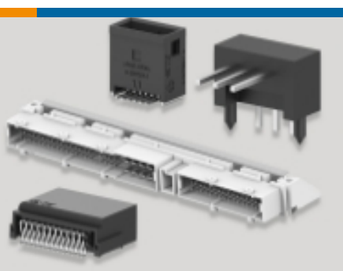
Automotive Housings(112)



Connector Backshells(6)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(44)

Customers Also Bought



TE Part #HDP26-24-9PE-L015
PLG, 9P, BLK, E, THD, 4/8/12, P



TE Part #DRC24-GKT
GASKET, 24P, BLK, DRC16



TE Part #DRC70-BT
BOOT, 70P, 16SZ, PLG/REC, ST, BLK



TE Part #DRC12-24PB
DEUTSCH DRC Housings



TE Part #2103172-9
Plug Assembly, 250A, MSD



TE Part #1587987-9
RECEPTACLE ASSEMBLY, 250A, MSD

TE Part #DRC24-BT-YW
BOOT, 24P, 16SZ, PLG/REC, ST, YEL

Documents

Product Drawings

PLG, 24P, BLK, N, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC16-24SA_99_c-drc16-24sa-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DRC16-24SA_99_c-drc16-24sa-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC16-24SA_99_c-drc16-24sa-99.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Engineering Report

English

Agency Approvals

UL Report

English